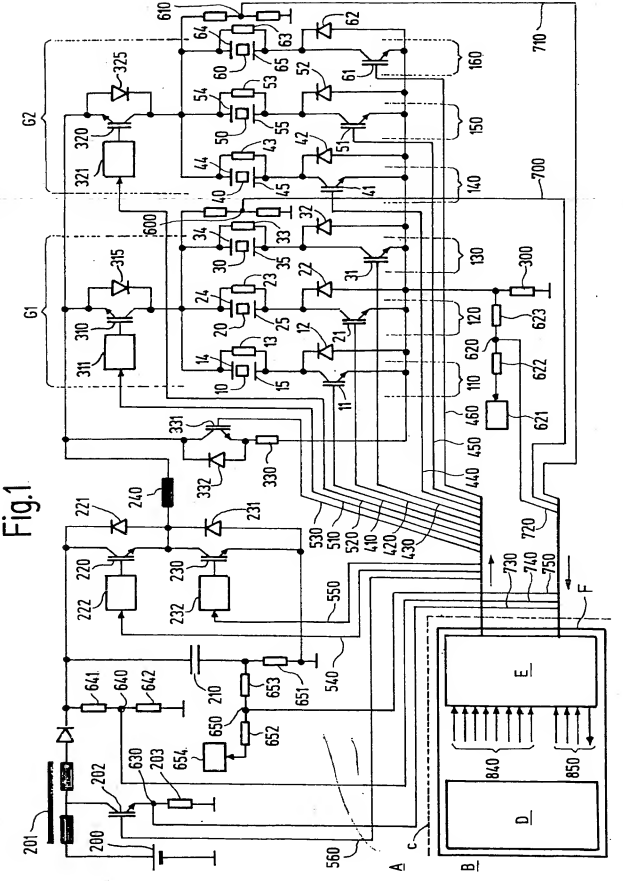
Fig.1


G1
G2
A
B
C
D
E
F
200
201
202
203
210
220
221
222
230
231
232
240
300
310
311
315
320
321
325
330
331
332
410
420
430
440
450
460
510
520
530
540
550
560
600
610
620
621
622
623
630
640
641
642
650
651
652
653
654
700
710
720
730
740
750
840
850

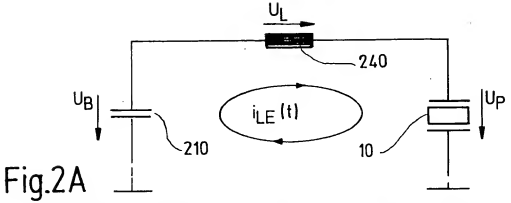


Fig.2A

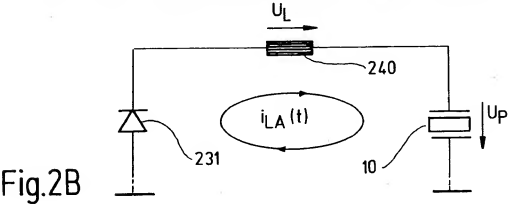


Fig.2B

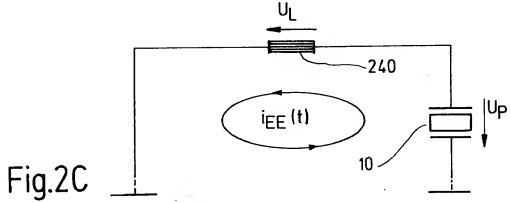


Fig.2C

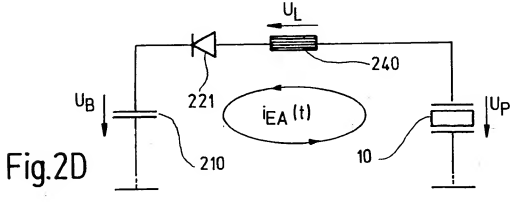


Fig.2D

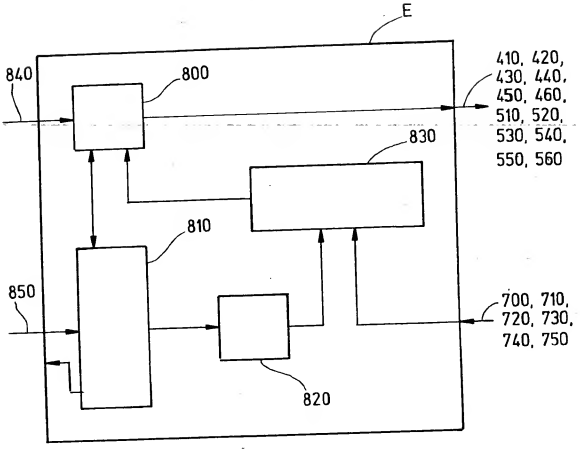

E
840
800
410, 420,
430, 440,
450, 460,
510, 520,
530, 540,
550, 560
830
810
850
700, 710,
720, 730,
740, 750
820

Fig.3

Charging and discharging edge of an injection

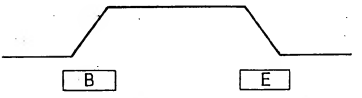


Fig.4

Combination of overlapping edges of two injections

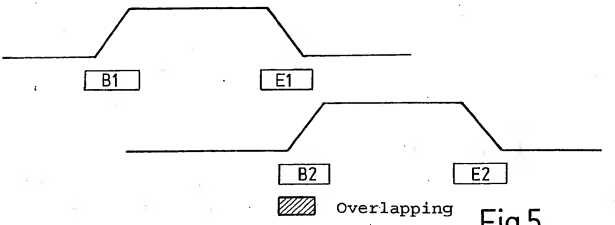


Fig.5

Examples of assignment of priorities

Edge:	B1	B2	E1	E2	
	1	2	3	4	different priority only
	1	2	1	2	partially different priority
	1	1	2	2	
	3	3	3	3	same priority

(with 4 priority steps, 4^4 = 256 different assignments are conceivable)

Fig.6

Measures for singular primary collision

High-priority overlapping edge	Low-priority overlapping edge
advance	advance
advance	leave unchanged
advance	retard
retard	advance
retard	leave unchanged
retard	retard
leave unchanged	advance
leave unchanged	retard

⊗combined with

Associated complementary edge of the high-priority overlapping edge	Associated complementary edge of the low-priority overlapping edge
advance	advance
advance	retard
advance	leave unchanged
retard	advance
retard	retard
retard	leave unchanged
leave unchanged	advance
leave unchanged	retard
leave unchanged	leave unchanged

Fig. 7